

Transmission Properties of FeCl₃ Intercalated Graphene and WS₂ Thin Films for Terahertz Time-Domain Spectroscopy Applications

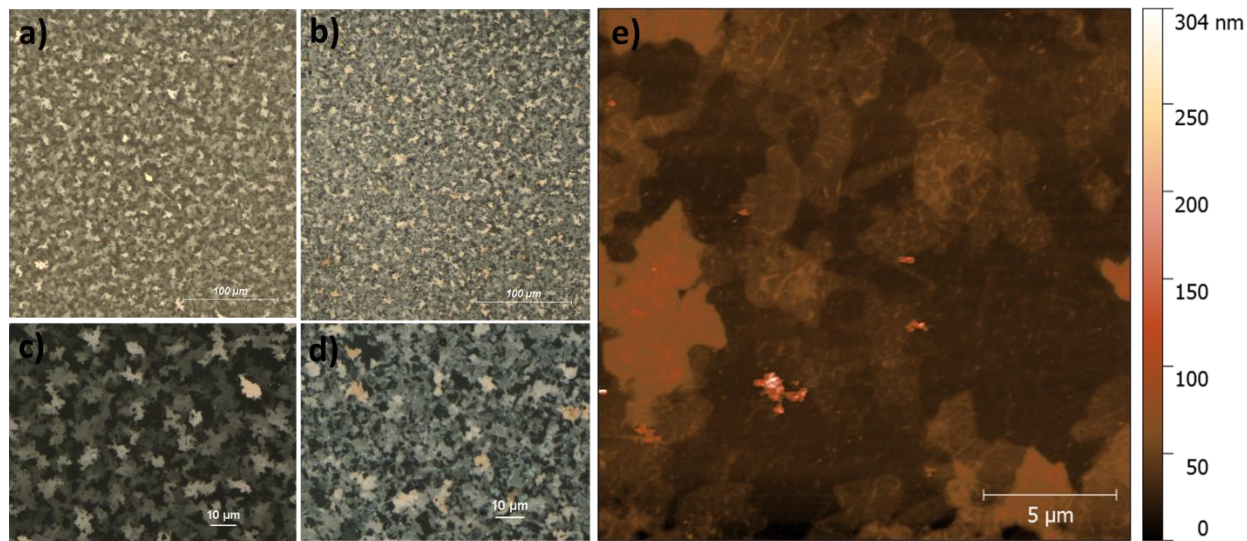
Supplementary materials

STable 1. Raman peaks position for graphene samples on glass.

Sample	G-peak position, cm ⁻¹	2D-peak position, cm ⁻¹	I _{2D} /I _G
SLG	1588	2679	1.6
FLG	1582	2711	0.8
i-FLG	1591	2695	1.4
MLG	1582	2720	0.8
i-MLG	1585	2711	0.6

STable 2. Raman peaks position for graphene samples on various substrates.

Substrate	G-peak position, cm ⁻¹	2D-peak position, cm ⁻¹	I _{2D} /I _G
Kapton	1579	2721	0.8
Glass	1582	2721	0.8
Sapphire	1585, 1612	2703	1.4



SFigure 1. a-d) SEM images of: a,c) few-layer graphene, and b,d) FeCl₃-intercalated few layer graphene. e) AFM of FeCl₃-intercalated few-layer graphene.